

# 产品规格书

Product Specification Sheet

制图

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2026.4

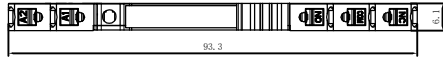
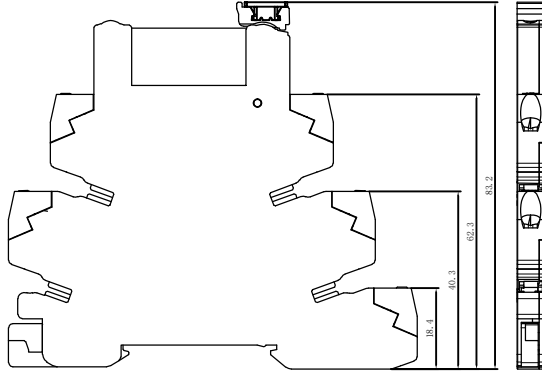
审核

董国  
26.4.

孙  
26-4

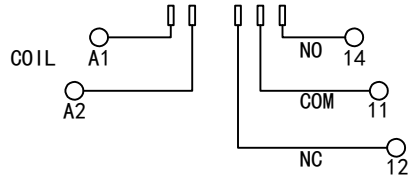
批准

冯前峰  
2026.4



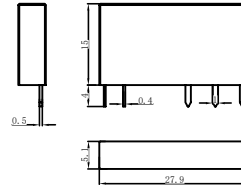
## 内部接线原理图

Internal wiring schematic



| 变更说明<br>Change description | 更改人<br>Change person | 更改日期<br>Change date | 备注<br>Remarks |
|----------------------------|----------------------|---------------------|---------------|
| /                          | /                    | /                   | /             |
| /                          | /                    | /                   | /             |

| 继电器参数 (表1.1)<br>Relay parameters (Table 1.1) |                                                                                                                                                                     |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 安装方式<br>Installation method                  | 配套插座<br>Matching socket                                                                                                                                             |
| 触点形式<br>Contact form                         | 1NO 1NC                                                                                                                                                             |
| 触点材料<br>Contact material                     | AgNi, AgPd                                                                                                                                                          |
| 触点负载<br>Contact load                         | 6A 250VAC/30VDC                                                                                                                                                     |
| 最大切换电压<br>Maximum switching voltage          | 400VAC/125VDC                                                                                                                                                       |
| 最大切换电流<br>Maximum switching current          | 6A                                                                                                                                                                  |
| 最大切换功率<br>Maximum switching power            | 1500WAC/180W                                                                                                                                                        |
| 机械耐久性<br>Mechanical endurance                | 100万次<br>100,000 times                                                                                                                                              |
| 绝缘电阻<br>Insulation resistance                | 1000MΩ (500VDC)                                                                                                                                                     |
| 介质耐压<br>Dielectric withstanding voltage      | 线圈与触点<br>Coil and contact<br>断开间触点<br>Contact to contact                                                                                                            |
| 动作时间 (额定电压下)<br>Action time (rated voltage)  | 4000VAC 1min<br>1000VAC 1min                                                                                                                                        |
| 释放时间 (额定电压下)<br>Release time (rated voltage) | ≤5ms                                                                                                                                                                |
| 冲击<br>Shock                                  | 稳定性<br>Stability<br>40m/s²<br>强度<br>Strength<br>980m/s²                                                                                                             |
| 电气寿命<br>Electrical life                      | 一组常开: 6A 250V/30VDC (频率1s通, 9s断): 6万次<br>一组转换: 6A 250V/30VDC (频率1s通, 9s断): 3万次<br>Max. set of opening or closing times: 60,000 times (1 second 100% duty, 90% duty) |
| 振动<br>Vibration                              | 10Hz~500Hz 1mm 双振幅<br>10Hz~500Hz 1mm double amplitude                                                                                                               |
| 湿度<br>Humidity                               | 5%~85% RH                                                                                                                                                           |
| 温度<br>Temperature                            | -40℃~85℃                                                                                                                                                            |
| 重量<br>Weight                                 | 约5g<br>Approx. 5g                                                                                                                                                   |
| 封装方式<br>Packaging method                     | 密封型、防静电型<br>Sealed type, anti-static type                                                                                                                           |



41F - 1Z- C4+ RY41F-1C/DC24

1. 41F: 超薄系列  
1. 41F: Ultra-thin series
2. 1Z: 一组转换  
2. 1Z: A set of conversion
3. C4: 直插款  
3. C4: Straight plug type
4. RY41F-1C/DC24: 荣越款41F继电器  
4. RY41F-1C/DC24: Rongyue 41F Relay

| 性能参数 (表2.1)<br>Performance parameters (Table 2.1) |                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 安装方式<br>Installation method                       | 适配插座、卡扣式安装<br>Matching socket and snap on installation                                                                                                                                                                                                                                           |
| 底座材料<br>Base material                             | 外壳<br>Housing<br>PA6 (RoHS) +GF20% V2级阻燃<br>底板<br>Base<br>PA6 (RoHS) +GF20% V2级阻燃<br>起拔扣<br>Lifting buckle<br>PA66+GF40% (RoHS)<br>卡扣<br>Snap<br>POM (RoHS)<br>接线按钮<br>Wiring button<br>PC+ABS合金 (RoHS) V1级阻燃<br>连接片<br>Connecting piece<br>高精密铜带H02T, 厚0.4mm, 表面镀锡<br>卡簧<br>Snap ring<br>不锈钢304 |
| 接线形式<br>Wiring form                               | 直插式接线, 使用0.5-1.5mm²导线 (适配标准)                                                                                                                                                                                                                                                                     |
| 弹簧拉力<br>Spring tension                            | 1000gf, cm                                                                                                                                                                                                                                                                                       |
| 工作环境温度<br>Working environment temperature         | -40℃~80℃, 非真空状态, 不结露情况下<br>-40℃~80℃, in non vacuum and non icing conditions                                                                                                                                                                                                                      |
| 贮存环境温度<br>Storage environment temperature         | 25~85℃RH                                                                                                                                                                                                                                                                                         |
| 贮存湿度<br>Storage humidity                          | 包装完好情况下, -40℃~85℃<br>Package intact packaging, -40℃ to 85℃                                                                                                                                                                                                                                       |
| 额定参数<br>Rated parameters                          | 6A 250VAC/24VDC                                                                                                                                                                                                                                                                                  |
| 接触电阻<br>Contact resistance                        | ≤100mΩ                                                                                                                                                                                                                                                                                           |
| 绝缘电阻<br>Insulation resistance                     | ≥1000MΩ (500VDC)                                                                                                                                                                                                                                                                                 |
| 抗电强度 (工频耐压)<br>Dielectric strength                | 相邻端子之间: 2000VAC, 50Hz, 1min (漏电流1mA)<br>Between adjacent terminals: 2000VAC, 50Hz, 1min (leakage current 1mA)                                                                                                                                                                                    |

| 底座性能参数 (表2.2)<br>Base performance parameters (Table 2.2) |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 耐振性<br>Resistance to vibration                           | X、Y、Z三向, 60Hz, 振幅2mm, 10小时 (每2小时观测记录)<br>X、Y three way, 60Hz, amplitude 2mm, 10 hours (observe and record every 2 hours)                                                                                                                                                                                                     |
| 产品跌落<br>Product drop prevention                          | 底座垂直跌落1米, 3次, 能正常工作<br>The shell and base vertically for 1 meter, 3 times, and can work normally                                                                                                                                                                                                                             |
| 包装跌落<br>Packaging drop                                   | 600mm高度连续跌落4次, 产品无损坏<br>From 600mm height continuous drop 4 times, no damage to the product                                                                                                                                                                                                                                  |
| 耐冲击性<br>Shock resistance                                 | 各部位能承受冲击力10g, 能正常工作<br>Each part can withstand an impact of 10g and work normally                                                                                                                                                                                                                                            |
| 温升试验<br>Temperature rise test                            | 按照T140标准, 3.3.3条款 (恒温25℃, 持续通电60min, 所有触点满足要求)<br>According to clause 3.3.3.3 of GB/T140.3 standard (constant temperature of 25℃, continuous power on for 60 minutes, all contact points meet requirements within one hour of testing interval, the temperature difference between the front and rear should not exceed 50℃) |
| 低温试验<br>Low temperature test                             | -40℃, 96h, 接触电阻≤200mΩ                                                                                                                                                                                                                                                                                                        |
| 高温试验<br>High temperature test                            | 80℃, 96h, 接触电阻≤200mΩ                                                                                                                                                                                                                                                                                                         |
| 高低温冲击试验<br>High and low temperature impact test          | -40~-85℃, 85%RH, 40min/循环, 50个循环, 接触电阻≤200mΩ                                                                                                                                                                                                                                                                                 |
| 图纸未注一般公差<br>General tolerance not noted in the drawing   | 按照GB/T 1804-m 标准执行。<br>Refer to the GB/T 1804-m standard.                                                                                                                                                                                                                                                                    |

温馨提示: 请勿带电操作

Kind reminder: Do not operate with electricity

轴测图  
Isometric drawing

所有尺寸均以mm为单位  
不能从图纸上测给尺寸  
All dimensions are in mm  
Cannot be measured from the drawing

比例 1:1  
图幅 A4  
页码 1/1

### RY-ELE®

浙江荣越电气有限公司  
Zhejiang Rongyue Electric Co., Ltd

|                                |                         |
|--------------------------------|-------------------------|
| 产品名称<br>Product Name           | 继电器底座<br>Relay base     |
| 产品型号<br>Product drawing number | 41F-1Z-C4+RY41F-1C/DC24 |